AUTHOR INDEX TO VOLUME 13

Badr, M. A. L., 41
Bustmante, E. F., 173

Cathey, J. J., 229
Chen, C., 195, 361
Chin, P. S. M., 275
Crisan, O., 103, 111
Crocquevieille, A., 387

Dash, P. K., 1
De Doncker, R., 329
den Ouden, W., 29
Ding, F., 61

Ghosh, K. K., 135
Goyet, R., 299

Hamels, D., 29
Hammons, T. J., 387
Hanmandlu, M., 149
Hasuike, K., 349
Hench, M. L., 219

Indulkar, C. S., 87
Ioinovici, A., 19
Istin, M., 387

Kadete, H., 163
Kalra, P. K., 265
Kamano, T., 53
Kothari, A. G., 285
Kothari, D. P., 87
Krimm, T. W., 229
Krishnamoorthy, N., 315

Lipo, T. A., 373
Lock, K. S., 185
Lucidarme, J., 299

Mathur, R. M., 265
Matt, D., 299
Mohanty, A. K., 1

Nasar, S. A., 361
Novotny, D. W., 329

Padiyar, K. R., 135, 285
Patrick, M., 87
Poloujadoff, M., 245

Ramar, K., 123
Rashid, M. H., 409
Rau, V. G., 315
Rioux, C., 299

Saleh, K. I., 41
Shenkman, A., 19
Singh, B., 73
Snider, D. R., 219

AUTHOR INDEX TO VOLUME 13

Badr, M. A. L., 41
Bustmante, E. F., 173

Cathey, J. J., 229
Chen, C., 195, 361
Chin, P. S. M., 275
Crisan, O., 103, 111
Crocquevieille, A., 387

Dash, P. K., 1
De Doncker, R., 329
den Ouden, W., 29
Ding, F., 61

Ghosh, K. K., 135
Goyet, R., 299

Hamels, D., 29
Hammons, T. J., 387
Hanmandlu, M., 149
Hasuike, K., 349
Hench, M. L., 219

Indulkar, C. S., 87
Ioinovici, A., 19
Istin, M., 387

Kadete, H., 163
Kalra, P. K., 265
Kamano, T., 53
Kothari, A. G., 285
Kothari, D. P., 87
Krimm, T. W., 229
Krishnamoorthy, N., 315

Lipo, T. A., 373
Lock, K. S., 185
Lucidarme, J., 299

Mathur, R. M., 265
Matt, D., 299
Mohanty, A. K., 1

Nasar, S. A., 361
Novotny, D. W., 329

Padiyar, K. R., 135, 285
Patrick, M., 87
Poloujadoff, M., 245

Ramar, K., 123
Rashid, M. H., 409
Rau, V. G., 315
Rioux, C., 299

Saleh, K. I., 41
Shenkman, A., 19
Singh, B., 73
Snider, D. R., 219

Srinivas, A., 123
Suryanarayana, N. V., 149
Suzuki, T., 53
Tso, S. K., 409
Willems, J. L., 207

SUBJECT INDEX TO VOLUME 13

Closed-loop converter d.c. drive, stability of via Lyapunov's second method, 275
Complex exciter system representation, fitting a simple linear automatic voltage regulator model to, 163
Continuum and reduced shaft models in evaluating turbine-generator shaft torsional response following severe disturbances on the system supply, analysis of, 387
C.S.I. fed permanent magnet motor, steady state performance and dynamic stability of, 1

DC separately excited motor taken account of armature reaction, modeling and transient response of, 53
Direct stability evaluation of power systems with known modes of instability, novel structure preserving energy function for, 135

Fast-acting reactive current compensator, simulation of, 409

High gain feedback design applied to AGC of interconnected power system, 149
High temperature superconducting ac and dc motors, potential for, 373
High temperature superconductors in electric power equipment, 329
HVDC bridge converters, modeling and simulation of, 285

LCI drive, mathematical model and computer simulation of, 195
Longitudinal-field multi-airgap linear reluctance actuator, 299

Magnetic pressure exerted on metal sheet due to parallel current-carrying rod when both have finite skin depth, 219
Multimachine power system with flux decay and feedback type voltage regulator, transient stability analysis of, 315

Odok method to measure cross contact resistance of squirrel-cage rotor, improvements for, 61

Power factor correction for distorted bus voltages, 207
Power system control, investigations for developing expert system for, 265
Power-system disturbances, ROM-based sequential circuits for experimental simulation of, 41

Shaded-pole induction motors, thyristor control of, 185
Single-phase induction machine as capacitor self-excited induction generator, optimum utilization of, 73
Single-phase induction motors, evaluating parameters of equivalent circuit of, 173

Small homopolar synchronous motors at high speeds, efficiency of, 29
Small induction motor coil failures, statistical study of, 349
Speed control system for electrical motors with random variable parameters, design of, 19
Stable power system stabilizer design with output feedback, new time domain method for, 123

345 kV pipe-type cable systems, sensitivity analysis of ampacity, cable and system losses of, 87
Three-phase induction squirrel cage motors, theory of, 245
Three-phase symmetrical induction machine, time domain general model of:
model on phase reference frame, 103
model on dqo reference frame, 111
Torque pulsations in low-speed self-synchronous motor drives fed through cycloconverter link, theoretical study of reduction of, 229
Tubular permanent magnet linear alternator, magnetic circuit analysis of, 361

CONTENTS OF VOLUME 13

NUMBER 1

Steady State Performance and Dynamic Stability of C.S.I. Fed Permanent Magnet Motor 1 — A. K. Mohanty, P. K. Dash

Design of a Speed Control System for Electrical Motors with Random Variable Parameters 19 — A. Shenkman, A. Ioinovici

Efficiency of Small Homopolar Synchronous Motors at High Speeds 29 — W. den Ouden, D. Hamels

ROM-Based Sequential Circuits for Experimental Simulation of Power-System Disturbances 41 — K. I. Saleh, M. A. L. Badr

Modeling and Transient Response of DC Separately Excited Motor Taken Account of Armature Reaction 53 — T. Suzuki, T. Kamano

Improvements for the Odok Method to Measure the Cross Contact Resistance of a Squirrel-Cage Rotor 61 — F. Ding

NUMBER 2

Optimum Utilization of Single-Phase Induction Machine as a Capacitor Self-Excited Induction Generator 73 — B. Singh

Sensitivity Analysis of the Ampacity, Cable and System Losses of 345 kV Pipe-Type Cable Systems 87 — C. S. Indulkar, M. Patrick, D. P. Kothari

Time Domain General Model of the Three-Phase Symmetrical Induction Machine—Part I: Model on the Phase Reference Frame 103 — O. Crisan

Time Domain General Model of the Three-Phase Symmetrical Induction Machine—Part II: Model on the dqo Reference Frame 111 — O. Crisan

A New Time Domain Method for Stable Power System Stabilizer Design with Output Feedback 123 — A. Srinivas, K. Ramar

A Novel Structure Preserving Energy Function for Direct Stability Evaluation of Power Systems with Known Modes of Instability **135** — **K. R. Padiyar, K. K. Ghosh**

NUMBER 3

High Gain Feedback Design Applied to AGC of an Interconnected Power System **149** — **M. Hanmandlu, N. V. Suryanarayana**

Fitting a Simple Linear Automatic Voltage Regulator Model to a Complex Exciter System Representation **163** — **H. Kadete**

Evaluating the Parameters of the Equivalent Circuit of Single-Phase Induction Motors **173** — **E. F. Bustmante**

Thyristor Control of Shaded-Pole Induction Motors **185** — **K. S. Lock**

The Mathematical Model and Computer Simulation of an LCI Drive **195** — **C. Chen**

NUMBER 4

Power Factor Correction for Distorted Bus Voltages **207** — **J. L. Willems**

The Magnetic Pressure Exerted on a Metal Sheet Due to a Parallel Current-Carrying Rod When Both Have a Finite Skin Depth **219** — **D. R. Snider, M. L. Hench**

A Theoretical Study of Reduction of Torque Pulsations in Low-Speed Self-Synchronous Motor Drives Fed through a Cycloconverter Link **229** — **J. J. Cathey, T. W. Krimm**

The Theory of Three Phase Induction Squirrel Cage Motors **245** — **M. Poloujadoff**

Investigations for Developing Expert System for Power System Control **265** — **P. K. Kalra, R. M. Mathur**

NUMBER 5

Stability of a Closed-Loop Converter D.C. Drive via Lyapunov's Second Method **275** — **P. S. M. Chin**

Modeling and Simulation of HVDC Bridge Converters **285** — **K. R. Padiyar, A. G. Kothari**

Longitudinal-Field Multi-Airgap Linear Reluctance Actuator **299** — **D. Matt, R. Goyet, J. Lucidarme, C. Rioux**

Transient Stability Analysis of a Multimachine Power System with Flux Decay and Feedback Type Voltage Regulator **315** — **N. Krishnamoorthy, V. G. Rau**

High Temperature Superconductors in Electric Power Equipment? **329** — **R. De Doncker, D. W. Novotny**

Erratum **347**

NUMBER 6

A Statistical Study of Small Induction Motor Coil Failures **349** — **K. Hasuike**

Magnetic Circuit Analysis of a Tubular Permanent Magnet Linear Alternator **361** — **S. A. Nasar, C. Chen**

The Potential for High Temperature Superconducting AC and DC Motors **373** — **T. A. Lipo**

Analysis of Continuum and Reduced Shaft Models in Evaluating Turbine-Generator Shaft Torsional Response following Severe Disturbances on the System Supply **387** — **T. J. Hammons, M. Istin, A. Crocquevieille**

Simulation of a Fast-Acting Reactive Current Compensator **409** — **S. K. Tso, M. H. Rashid**

FOLLOWING PAGE 419

Title Page to Volume 13

Contents of Volume 13

Author Index to Volume 13

Subject Index to Volume 13